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U. S. Department of Agriculture

HARDY NATIVE AND ALPINE PLANTS
Montana Collected

WHY NATIVES?

Montana has been richly favored by nature in her distribution of natives worthy of garden use. There are here many good plants, some really outstanding varieties. The purpose of this list, and this business, is to make available these treasures wherever they may be made happy. Many charming wildlings, we believe, might better be transferred to gardens than left to be destroyed by unregulated grazing.

REPLACEMENTS

Some of the most desirable native plants are considered difficult because we do not yet know well enough their growth requirements. I make no warranty except that plants will arrive in good condition; but to encourage cultural experiments, I will cooperate by replacing with future orders, up to the value of that order, plants that failed to please in any previous shipment.

SHIPPING CHARGES

Plants not potted take 2nd class express rate which is generally cheaper than parcel post, and the handling is better. Unless otherwise instructed and charges advanced, shipments are sent express collect. Prices F. O. B. Missoula, Montana.

DO NOT DISTURB plants that apparently die, until at least one full year. It is the habit of many native varieties to enter a dormant stage and disappear for a time. If their growth requirements have been met and they are undisturbed, they reappear in due season.

Minimum order any one variety 25¢

Per 12	Per 100
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Achillea lanulosa - - - .75 \$4.00
White. Any soil any place.

Allium. Two of our wild onions are attractive enough to find places in the rockery. Plant in small groups. They are sure to grow in any fair to good soil. Dormant bulbs after July 15.

A. cernuum - - - - - .50 \$4.00
Nodding purple 'onion'. 12" high.

A. reticulatum - - - - - .50 \$4.00
Dwarf white. 6" high.

Anemone globosa - - - \$1.25 \$8.00
The white Anemone is not too difficult in a deep, light, sandy soil with leaf mould and partial shade. Its white blooms are followed by greenish white knobs, which, upon ripening, burst into white balls of cotton. May be grown from seed planted fresh. Seeds \$3.00 per ounce.

A. patens Nuttallii - - \$1.25 \$8.00
(Pulsatilla hirsutissima) Purple 'crocus' of early spring. Flowers ahead of leaves. Culture similar to above; but will stand a heavier, dryer soil and more sun. Seeds plumed instead of cottony. Seeds \$2.00 per ounce.

Antennaria. For a carpeting mat of gray foliage between rocks, try any of the three following Antennarias on any ordinary garden soil in a rather dry, sunny niche. Our nearest approach to Swiss Edelweiss.

Per 12	Per 100
<u>Antennaria dimorpha</u>	.75 \$4.00
A small 4" Antennaria, its gray foliage tending to grow as a 'fairy ring'. Flowers not as attractive as <u>A. rosea</u> .	

<u>Antennaria racemosa</u>	- - \$1.00	\$6.00
White. 6-8" high.		

<u>A. rosea</u>	- - - - -	\$1.00	\$6.00
Rose colored heads. 6-8" high.			

<u>Anaphalis margaritacea</u>	\$1.00	\$6.00
'Pearly everlasting'. Similar to <u>Antennaria</u> ; but taller, up to 18". Gray foliage and many corymbose heads of pearly flowers. A rather poor soil. One of the first flowers to follow a forest fire. Easy; but fall shipment preferred.		

<u>Arconaria formosa</u>	- - - .75	\$4.00
Grass-like, 10" tall, with white 'star flowers'. Easy culture on any soil; but good drainage. Readily grown from seed. Arconarias thrive on arid areas. Seed \$4.00 per ounce.		

<u>Arnica cordifolia</u>	- - - .75	\$4.00
Partial shade "piny" (sub-acid) well drained soil. Plant in masses. Seed \$1.00 per ounce.		

<u>Arnica pedunculata</u>	- - - .75	\$4.00
Linear leaf arnica, not so good, but grows in full sun.		

<u>Artemisia frigida</u>	- - - .75	\$4.00
8"-21 high. Popular. Used for its harmonious gray foliage. Dry sunny places, any soil.		

	<u>Per 12</u>	<u>Per 100</u>		<u>Per 12</u>	<u>Per 100</u>
<u>Aster scopulorum</u> \$1.50 (<u>Ionactis alpina</u>) Dwarf violet aster suitable for the rockery.	\$10.00		<u>Chenactis Douglasii</u> ... \$1.25 \$10.00 A mat of peculiar gray leathery foliage in early spring. Later in the summer a 2' bush of white flowers somewhat suggesting Scabiosa. Poor, well drained soil, in sun.		
<u>Balsamorrhiza sagittata</u> \$2.00 \$15.00 Coarse; but showy at a distance. Early, from a large tap root. Small plants only. Porous soil.			<u>Chrysopsis villosa</u>75 \$4.00 Yellow aster of waste places. Very hardy. Seed \$1.00 per ounce.		
<u>Brodiaea Douglasii</u>50 \$4.00 # (<u>Tritslein grandiflora</u>) Umbles of tubular, blue flowers topping stout 2 ft. stems. Plant bulbs in groups for best effect. Any light soil. Bulbs after July 15.			<u>Claytonia</u> sp. \$1.75 \$12.00 # Tuber-like corms after July 15. Alpine 'spring beauty', early and attractive. Moist, porous soil.		
<u>Cactus</u> . Indispensable to the rockery. Montana has but 4 cacti varieties, all perfectly hardy in the Northern states. They regularly stand temper- atures to 30° below zero. Protect from too much moisture. Rather poor soil, in sun. Two are listed under <u>Opuntia</u> , page 4, and two under <u>Mammillaria</u> , page 3.			<u>Cypripedium montanum</u> A white 'lady's slipper' decorated with long narrow brown sepals. Good drainage, and preferably light shade. Until I find them more abundantly, 35¢ each, 3 for \$1.00.		
<u>Calochortus Nuttallii</u>75 \$6.00 # 'Sego' or 'butterfly' lily. Above all, drainage, a sandy loam (or even a clay) with grit and humus added, and over a rocky sub-soil. Partial shade and a 2" mulch of leaf mould. Allow to dry out after flowering, or dig and store dry until October 1. Protect from rodents. Bulbs after July 15.			<u>Delphinium bicolor</u> ... \$1.25 \$8.00 # Rock garden larkspur. 8" to 1'. Cleft leaves and royal purple flowers spread in open racemes. The prettiest of the native larkspurs. Good drain- age, humus soil and a chance to dry out after blooming. Early spring or dormant roots after July 15. This and the next two varieties strongly recommended. Seeds 25¢ pk.		
<u>Calypso bulbosa</u> \$1.00 \$12.00 (<u>Cytherea bulbosa</u>) Pink 'lady's slipper'. Chooses more moisture and deeper shade than Calochortus. A solitary leaf and a one flowered 6" scape separately from a corm half buried in soil 50 to 100% peat.			<u>Dodecatheon Cusickii</u> ... \$1.25 \$8.00 # An attractive 'shooting star' of sunny slopes in the Northwest. A beauty re- sembling the Cyclamen. A deep porous soil rich in humus, with moisture in spring and a drought after blooming. Sun or half shade. Early spring or dormant roots after July 15. Seeds.		
<u>Comassia quamish</u>50 \$4.00 # Larger flowers and a deeper blue than the Eastern, <u>esculenta</u> . Racemes of 6 pointed blue stars standing 1 to 2' high. Easy. Prefers a rich meadow, very wet in winter and spring; but may be very dry in summer. Will grow where wheat will. Plant bulbs in early fall 3 to 6" deep in masses. Seed \$1. oz.			<u>Douglasia montana</u> \$1.50 \$8.00 One of the best American alpines. A 'moss pink' that forms a compact green cushion covered with pin size pink flowers before the last snow of early spring. Found exposed ridges of Nature's rock gardens. A gritty, stony soil with sand, peat and leaf mould and, above all, drainage. Seed \$4.00 per ounce. Pk. 25¢.		
<u>Campanula rotundifolia</u> ...\$1.00 \$6.00 'Scotch bluebell'. 1' to 18". A fairly dry, light soil and no flower is more delightful in the rockery. Blooms late.			<u>Drymocallis glutinosa</u> ... \$1.75 \$12.00 Broad cymes of white strawberry-like flowers on 2' stems, coarse except in poor rocky soil. Seeds \$2.00 per oz.		
<u>Castilleja</u> sp. \$1.50 \$10.00 'Indian paint brush'. 8" to 2' high. Red, pale yellow or pink. Marvelous plants on a porous gravelly soil rich in humus. Difficult. We recommend late summer delivery. Seeds \$2.00 per oz.			<u>Erigeron compositus</u> ..., \$1.25 \$8.00 A most compact tuft of shredded green leaves lifting white daisies on 6" stems. The best Erigeron I know for the rock garden or wall. A porous soil and a sunny situation. It appears best when grown under adversity. Seeds \$1.00 per ounce.		
<u>Cerastium arvense</u> \$1.00 \$6.00 A good ground cover for a moist, rocky well drained soil. Abundant white flowers.			<u>E. divergens</u> \$1.25 \$8.00 More spreading, later, flowers blue.		

Per 12 Per 100

Eriogonum ovalifolium... \$1.25 \$8.00
A wonderful plant. Gray oval leaves packed into a cushion with numerous 6-8" stems bearing clusters of white, pink or red flowers. Especially adapted to hot arid slopes of the rock garden or wall and happy in a moraine mixture. They live on nothing and stand the hardest droughts.

Eriogonum Piperi..... \$1.50 \$10.00
'Yellow umbrella plant'. One of the most beautiful Eriogonums. Rather dry, well drained soil.

Eriophyllum lanatum ... \$1.75 \$12.00
'Oregon sunshine'. 1 ft. high. A long season of abundant orange yellow flower heads over gray foliage. On dry banks and rock slides.

Erythronium grandiflorum .50 & .75 \$4.00
(or perhaps E. parviflorum, they grow together and the corms look alike.) These lilies migrated from the north and follow the snow quickly. Grandiflorum is a form with very bright, slender, yellow, recurved petals and purple anthers. Parviflorum has bright yellow flowers with greenish centers and yellow anthers. Both have smooth green leaves and 12" flower stems. Erythroniums like a good, deep, gritty or stony leaf mould in a half shady place. Moist; but thoroughly drained. Plant corms 3 to 5" deep and a similar distance apart in colonies. Small corms \$2.00 per 100, extra large corms, \$10.00 per 100.

Fritillaria pudica.... .75 \$8.00
A clear 'yellow bell' on a 6" stem. Give it a sunny nook in a sandy, moist loam and it is easy and early.
Bulbs after July 15.

Gailardin aristata \$1.00 \$6.00
Seeds 50¢ per ounce.

Galium boreale.....\$1.25 \$8.00
Easy in any well drained soil.

Gaura coccinea\$1.25 \$8.00

Gilia aggregata.....\$1.50 \$8.00
A 'Jacob's ladder' or 'sky-rocket' plant with red flowers, very attractive to humming birds. First a green mat, later shooting up a 1-3' leafy stem and bursting into very brilliant flowers. A sandy or gravelly loam in sun or light shade.

Hedysarum sp......\$1.50 \$12.00
'Coral bells'. A good plant for a rock crevice. Seeds \$2.00 per ounce.

Iris missouriensis75 \$4.00
Montana's only native iris. 18" high, pale blue, veined with purple. The midrib is yellow. A fairly heavy soil, moist in spring; but may dry out after blooming. Seeds 50¢ per ounce.

Per 12 Per 100

Lewisia rediviva ... \$1.50 \$10.00
'Bitter-root'. Montana state flower. The best of the Lewisii. An unusual and attractive rock garden plant, once an important food of the Indians. A succulent, the pink flowers rivaling those of the cactus. Immune to drought; but bad drainage and winter wet is fatal. A raised bed of grit, soil and humus, full sun. After blooming, the drier the better. Seeds \$5. per oz. 400 seeds for 25¢.

Linnaea americana \$1.50 \$10.00
'Twin flower'. A good ground cover for moist, shady places. Dainty and attractive.

Linum Lewisii..... \$1.25 \$8.00
The airy, sky-blue, silverform flowers are born in particularly graceful, long stemmed sprays throughout the summer. It desires sunshine and drainage with summer warmth, and a deep gravelly mixture, not too rich.

Lithophragma sp. \$1.25 \$8.00
L. tenella, buboifera and parviflora grow here, all quite similar charming 'star flowers', at home at the edge of a rock. Plants in early spring or bubbles after July 15.

Malvastrum coccineum... \$1.25 \$8.00
A low growing, gray-foliaged, mallow with attractive orange flowers, and an endless tap root. Ordinary garden soil, in sun. Transplants readily. A charming ground cover.

Mammillaria missouriensis \$1.50 \$12.00
A small 'pin cushion' cactus with greenish yellow flowers tinged with red.

M. vivipara..... \$1.50 \$12.00
A 'pin cushion' cactus usually growing into a group of pin cushions with flowers a bright purple and the fruits a pale green.

Mertensia foliosa \$1.75 \$12.00
An 'American blusbell' for the well drained moist shady places. Dormant plants after July 15.

Mertensia nutans \$1.50 \$10.00
The gem of the Mertensias, 8" high, growing in full sun. Bell clusters tinged pink in the buds. Prefers a good, well drained loam. Like Dodecatheon, and dwarf larkspur, it may be dried to brittleness after blooming.

Mimulus Langsdorffii ... \$1.25 \$8.00
Yellow 'monkey flower'. Seeds \$2.00 per ounce.

M. Lewisii..... \$1.50 \$12.00
Red 'monkey flower'. Monkey flowers are for moist, mucky places. A rocky stream bank for Lewisii and a boggy site for Langsdorffii is best. Seeds \$2.00 per ounce.

	<u>Per 12</u>	<u>Per 100</u>
<u>Mitella stauropetala</u> ... \$1.75 \$12.00		
A clump of heart shaped leaves and a group of slender graceful, 18" spikes of small white flowers. Moist, sandy loam and some shade.		
<u>Honeys uniflora</u> \$1.75 \$12.00		
The 'single beauty' goes with the Linnaea, Pyrola, Calypso group, in moist shady places with plenty of decayed wood and duff.		
<u>Monardia menthaefolia</u>75 \$4.00		
Too large for the small rockery; but a clump in the perennial border back by the fence is attractive. The purple flower heads on the square stems are strongly fragrant.		
<u>Montia depressa</u> \$1.25 \$8.00		
The 'miner's lettuce' with its spreading habit and leaves around stems make a better showing in the rockery than one would expect. Adapted to a medium moist loam in a partial shade.		
<u>Ornertia fragilis</u> \$1.50 \$10.00		
This 'jump' cactus has its many joints nearly round in cross section, the top one breaking off easily. Attractive pale yellow flowers. Good on a dry sunny place in the rockery.		
<u>Opuntia polyacantha</u> \$1.50 \$10.00		
The broad flat leafed 'prickly pear' with large yellow flowers. Give it sun, drainage and a not too rich soil. Dependable. Cacti is best shipped in a slightly shriveled condition. This is also the desirable condition for plants entering the winter season.		
<u>Orchis</u> . See Cypripedium and Calypso. Other deep shade and bog plants upon request.		
<u>Oxytropis</u> sp. \$1.75 \$12.00		
This low growing 'woolly loco' producing clusters of soft pink blossoms in early spring, is at home among the rocks. Give it a good moraine with plenty of drainage and full sun.		
<u>Parnassia fimbriata</u> \$1.75 \$12.00		
'Grass of Parnassus'. Smooth, kidney-shaped, green leaves, one midway the flower stem, the rest basal. Large solitary, white flowers with clawed and fringed petals and curious staminodia. Wet, shady stream banks.		
<u>Panonychia sessilifolia</u> \$1.75 \$12.00		
Dry, sunny moraine. A low, dense, reddish-green, cushioning perennial of the rocky knolls. Quite attractive.		

	<u>Per 12</u>	<u>Per 100</u>
<u>Pentstemon</u> . Montana has many varieties of pentstemon. Some very abundant, coloring whole hill sides; others more retiring. The best for rock garden purposes, in my opinion, are <u>P. Whitedii</u> and <u>P. angustifolius</u> . Plants or seed of other pentstemon by correspondence.		
<u>P. angustifolius</u> \$1.50 \$10.00		
This has a lazy growth habit adapted to draping over rocks. It has smooth, bluish foliage and large clusters of very bright blue flowers. Found on dry ridges and banks and also on river bottoms. Seed \$2.00 per ounce.		
<u>P. Whitedii</u> \$1.50 \$10.00		
An erect growing sort 8 or 10" high with large showy mottled lavender flowers. Well drained moraine suits it. Seeds \$2.00 per ounce.		
<u>Parlum decipiens</u> ... \$1.50 \$10.00		
The 'rattle-snake plantain' is another deep shade plant belonging to the orchid family. It is attractive chiefly for its mottled foliage. A spike of inconspicuous white flowers appear in mid summer. Give the same culture as for Calypso.		
<u>Phlox</u> . Several good low phloxes are available from Montana. They have been called America's greatest contribution to the rock garden. They like good drainage and gritty soil and, after they become established, full sun. They do not mind a drought after they get their roots down.		
<u>Phlox caespitosa</u> \$1.50 \$10.00		
Small, bluish, white flowers, fading to purple. They like a rocky soil.		
<u>Phlox Douglasii</u> \$1.50 \$10.00		
Grayish green foliage and large, light blue or white flowers. My choice of the dwarf phloxes. Adapted more to the moraine.		
<u>Phlox muscoides</u> \$1.25 \$8.00		
Gray foliage and small white flowers that stay white. Will stand a heavier soil than Douglasii.		
<u>Polemonium pulcherrimum</u> \$1.25 \$10.00		
This plant's home is in the talus slopes. A foot high with pinnate leaves and clusters of blue or white flowers. Seed \$4.00 per ounce.		
<u>Potentilla</u> dasycarpa... \$1.50 \$12.00		
A cinquefoil with leaves green above, gray below. Cymes of yellow flowers in July. Any soil. Seed \$2.00 per oz.		

Per 12 Per 100Per 12 Per 100

Ranunculus glaberrimus... .75 \$4.00
 # An early bright yellow 'buttercup' for sunny places in the rockery or wall. A flash of yellow for the winter garden. "Scouts report that the buttercups are waiting under the snow, green and vigorous, prepared to put forth their first shellacked blossoms. These will come early next month...if not before, should the sun do a little extra beaming. The buttercup in some ways is our favorite flower. We admire its courage and stamina."

Daily Missoulian, 1/18/36.

Saxifraga micropetala... .75 \$12.00
 A cushioning saxifrage of the cool rock slides with abundant white flowers on 6" stems.

S. rhomboides..... \$1.25 \$10.00
 A rosette of wavy or notched margin, oval green leaves. The heads of white flowers on rather stout stems spreading with age. A cool, moist, well drained site for the saxifraga.

S. montana \$1.25 \$10.00

S. subanetala75 \$4.00

Sedum stenopetala75 \$4.00
 'Rock moss'. One of the better hardy sedums compact with blue-gray leaves and yellow flowers. Will grow in any soil and an ideal plant for the rockery or wall.

Senecio canus \$1.25 \$6.00
 A gray foliaged 'butterweed', low enough for the rockery. Well drained, gravelly soil, in sun. Seeds \$1.00 oz.

Sisversia ciliata \$1.50 \$10.00
 'Old man's whiskers' or 'rag baby'. Gravelly humus, in sun.

Stenotus acaulis \$1.50 \$10.00
 A low perennial with narrow leathery leaves and solitary yellow flower heads on 6" stems. Rocky moraine in sun.

Synthyris rubra..... \$1.50 \$10.00
 'Kitten-tails'. An early 6 or 8" stalk of pink flowers from a green rosette. Well drained loam in sun.

halictrum sp. \$1.50 \$10.00
 'Meadow rue'. A delicate fern-like plant usually too tall for the rockery. A deep moist loam in shade.

Gillium ovatum75 \$12.00
 'Wake robin'. A moist, well drained loam in shade. Root stalks after July 15.

Trollius albiflorus... \$1.50 \$10.00
 'Globe flower'. A plant of the mountain swamps and cold woods. Palmately divided leaves and large solitary, cream-white buttercup-like flowers. A cool, moist, shady place.

Townsendia sericea... \$1.75 \$12.00
 A dense tuft of linear gray leaves covered in spring with large white daisies without stems. An odd rock plant. Harder to find than Easter eggs; but that's OUR fun. Easy in any well drained soil.

Viola adunca \$1.25 \$8.00
 Blue violet. A moist, well drained, light soil and part shade or cold sun suits adunca.

V. biflora..... \$1.50 \$10.00
 A round leaf yellow violet for moist, shady places. Deep, moist, sandy loam.

V. canadensis..... \$1.50 \$10.00
 White, or tinged with blue when grown in sun. Moist soil with drainage, sun or shade. This violet grows bushy a foot or more high.

V. glabella \$1.25 \$10.00
 A small, lance leaf yellow violet for a rich porous loam in sun or airy, partial shade.

Woodsia scopulina ... \$1.50 \$10.00
 A 6" fern adapted to sunny places in among the rocks. One of the first ferns to leaf out in spring.

Xyrophyllum tenax...(on application)
 The 'bear grass' is difficult to transplant. I recommend balled and burlaped clumps.

Zagadenus paniculatum .75 \$4.00
 # An onion-like bulb producing a 12" stalk of greenish white flowers. Not to be eaten.

SHRUBS

50¢ each, or 3 for \$1.00.
 Seeds, 75¢ per pound, 10 pounds any one variety, \$6.00.

Acer glabrum
Amelanchier alnifolia
Arctostaphylos uva-ursi
Clematis ligusticifolia
Cornus stolonifera
Crataegus columbiana
Crataegus Douglasii
Juniper scopulorum
Odostemon repens
Prunus melanocarpa
Sorbus occidentalis
Symphoricarpos occidentalis

Flower seeds $\frac{1}{4}$ oz. at oz. rate. Any variety, liberal package 25¢

o.

Price List

SPECIAL ROCKERY COLLECTION

I offer a special rock garden collection of 100 or more choice plants, my selection of 12 or more varieties for \$7.50. The plants making up this collection will vary somewhat depending upon the season and what is readily available. All collections generally will contain such good plants as Lewisia rediviva, Mertensia nutans, Phlox Douglasii, Douglasia montana, Eriogonum ovalifolium, Erigeron compositus, Pentstemon Whitedii, and the values will equal or exceed the same plants at their listed rates. If in doubt, order this collection. Order early for best results.

DORMANT PLANTS IN CELLOPHANE

Many native plants enter a dormant stage after blooming, some roots drying to brittleness. While not so attractive dormant, this is the safest season to transplant as the roots may, in some cases, remain out of the soil for long periods. We have selected a number of these (marked # above) and put them up in cellophane envelopes. Three Lewisia rediviva, 5 Dodecatheon Cusickii, 4 Delphinium bicolor, 6 Camassia quamash, etc. The plants are labeled and cultural directions given. These are a good number for a summer special. 25¢ each envelope, any variety. Sample to dealer upon request. Why not a gift of Montana Natives to a flower loving friend?

DISCOUNTS

On orders of 2 or more varieties, 6 at the 12 rate, 50 at 100 rate, and 250 at 1000 rate. On orders of 6 or more varieties, 3 at the 12 rate, 25 at 100 rate, 250 at 1000 rate, 1000 at 7 times 100 rate, with these exceptions: plants must be ordered in quantities to secure the quantity rate. Minimum order any one variety 25¢. (One to several plants will be sent.) On orders of less than 25 of a variety the doz in rate will apply. This is necessary since I ship mostly freshly collected plants from a large territory and considerable time and travel are required on these collecting trips. For cash with order, 10% overcount on plants will be shipped.

Frank H. Rose,
Northern Rocky Mt. Native Evergreens,
1020 Poplar St., Missoula, Montana.

NATIVE EVERGREENS,
1020 Poplar St.,
Missoula, Montana.

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